

Title (en)
ADJUSTABLE CAMSHAFT, IN PARTICULAR FOR INTERNAL COMBUSTION ENGINES OF MOTOR VEHICLES, COMPRISING A HYDRAULIC ADJUSTING SYSTEM

Title (de)
VERSTELLBARE NOCKENWELLE, INSBESONDERE FÜR VERBRENNUNGSMOTOREN VON KRAFTFAHRZEUGEN, MIT EINER HYDRAULISCHEN STELLEINRICHTUNG

Title (fr)
ARBRE A CAMES AJUSTABLE, EN PARTICULIER POUR MOTEURS A COMBUSTION INTERNE DE VEHICULES, POURVU D'UN DISPOSITIF D'AJUSTEMENT HYDRAULIQUE

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Application
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Priority

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Abstract (en)
[origin: WO2006081789A1] An adjustable camshaft is characterised by the following features: at least one of the adjusting elements (6, 7) of the adjusting system (5) which are firmly secured to the two shafts (1, 2) lies tightly with at least part of its front face on a connection surface (8) which, relatively to the two shafts (1, 2), including the mounting ring (3), is formed by at least the mounting ring (3) of the outer shaft (1). The connection surface (8) is crossed by axial passages between hydraulic chambers of the adjusting system (5) and by hydraulic liquid supply ducts (9, 10, 11, 12) which extend through the shafts, between the shafts (1, 2) and/or through annular gaps (10IV, 11IV) formed between the outer shaft (1) and the mounting ring (3), from the connection surface (8) to filling zones which are located in the peripheral surface of the mounting ring (3) and open into circumferential ring-shaped channels (9", 10", 11", 12") associated each with a filling zone of a supply duct (9, 10, 11, 12).

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